

uvex

Uni(care)[®]



Safety Gloves

protecting people

EN 388:2016

Standard for cut protection gloves

The new classification of cut protection gloves in accordance with EN 388:2016/ISO 13997



Difference	EN 383:2003	EN 388:2016/ISO 13997
Blade Type	round	straight
Cutting method	rotating with repeated contact	straight with single contact
Application of force	constant at 5 N	variable between 2 & 30 N

Classification of cut performance levels

EN 388:2003	1	2	3	4	5
Index	≥ 1,2	≥ 2,5	≥ 5	≥ 10	≥ 20

EN 388:2016 / ISO 13997	A	B	C	D	E	F
Newton value	≥ 2	≥ 5	≥ 10	≥ 15	≥ 22	≥ 30

Labelling of safety gloves

EN 388:2016 contains various test methods for comparing the mechanical performance of gloves. This standard focusses on the following six performance levels:

EN 388:2016



4 X 3 2 DP

- ↑ (f) Impact protection (P if passed)
- ↑ (e) Cut resistance in accordance with ISO (A to F)
- ↑ (d) Puncture resistance (0 to 4)
- ↑ (c) Tear resistance (0 to 4)
- ↑ (b) Coup test cut resistance (0 to 5; X = not applicable or not tested)
- ↑ (a) Abrasion resistance (0 to 4)

EN ISO 374-1:2018

Standard for chemical safety gloves

Expansion of test chemicals:

The test catalogue has been expanded in accordance with the new standard.

Identifier	Test chemical	Group	Class
A	Methanol	polar*	Primary alcohol
B	Acetone		Ketone
C	Acetonitrile		Nitrile
G	Diethylamine		Amine
H	Tetrahydrofuran		Heterocyclic, ether compounds
I	Ethyl acetate		Ester
T	Formaldehyde 37%		Aldehyde
J	n-heptane	aliphatic*	
F	Toluene	aromatic*	
D	Dichloromethane	halogenated*	Chlorinated
L	Sulphuric acid 96%	Acids	Inorganic acid, oxidising
M	Nitric acid 65%		Inorganic acid, oxidising
N	Acetic acid 99%		Organic acid
S	Hydrofluoric acid 40%		Inorganic acid
K	Sodium hydroxide 40%	Bases (alkalis)	Inorganic base
O	Ammonia water 25%		Organic base
P	Hydrogen peroxide 30%	Peroxide (bleach)	Peroxide

* Solvents (hydrocarbons (KWS))

Permeation

Time measured to penetration	Protection index	Permeation refers to molecular penetration through the safety glove material. The time required by the chemicals to permeate, determines the performance class in accordance with EN ISO 374-1. The actual period of protection at the workplace may vary depending on real-time process factors.
> 10 min	Class 1	
> 30 min	Class 2	
> 60 min	Class 3	
> 120 min	Class 4	
> 240 min	Class 5	
> 480 min	Class 6	

New labelling of safety glove

EN ISO 374-1:2016/Type A



J K L M N O

Permeation resistance of type A:
at least 30 minutes each with at least 6 test chemicals.

EN ISO 374-1:2016/Type B



J K L

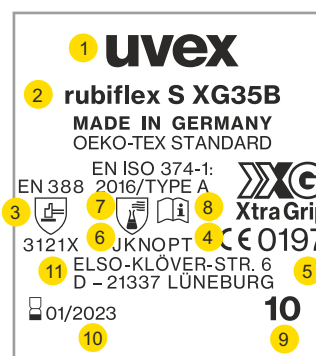
Permeation resistance of type B:
at least 30 minutes each with at least 3 test chemicals.

EN ISO 374-1:2016/Type C



Permeation resistance of type C:
at least 10 minutes each with at least 1 test chemical.

Labelling on the glove



- Name of the manufacturer
- Glove Product Name
- Performance classes, mechanical
- CE conformity mark
- No. of Test Institute
- Letters symbolise test chemicals against which the glove has a protection index of at least class 2.
- Pictogram with designation of standard
- Note enclosed instructions for use
- Glove size
- Expiration date
- Manufacturer address

Mechanical Risks

Area of application: precision / all-round (cut protection)

uvex unilite 6605



EN 388:2016
4 1 2 2 X



uvex unilite 6605	
Art. no.	60573
Item code	93121095
Material	polyamide
Coating	palm and fingertips coated with nitrile foam coating
Sizes	6 to 11
Standard	EN 388 (4122X)

uvex athletic lite



EN 388:2016
4 132X



uvex athletic lite	
Art. no.	60027
Item code	93121131
Material	polyamide / elastane
Coating	NBR foam coating
Sizes	6 to 11
Standard	EN 388:2016 (4132X)



uvex athletic B XP



EN 388:2016
4 X 4 4 B



uvex athletic B XP	
Art. no.	60036
Item code	93121271
Material	bio-based HPPE (DSM), glas, polyamide, elastane
Coating	palm and fingertips coated, micro NBR foam coating
Sizes	6 to 11
Standard	EN 388 (4 X 4 4 B)

uvex athletic C XP



EN 388:2016
4 X 4 3 C



uvex athletic C XP	
Art. no.	60037
Item code	93121272
Material	HPPE, glas, polyamide, elastane
Coating	palm and fingertips coated, micro NBR foam coating
Sizes	6 to 12
Standard	EN 388 (4 X 4 3 C)

uvex athletic D5 XP



EN 388:2016
4 X 4 3 D



uvex athletic D5 XP	
Art. no.	60030
Item code	93121154
Material	HPPE, steel, polyamide, elastane
Coating	palm and fingertips coated, micro NBR foam coating
Sizes	6 to 11
Standard	EN 388 (4X43D)



uvex unidur 6679 foam HV



EN 388:2016
4 X 4 3 D



uvex unidur 6679 foam HV	
Art. no.	60894
Item code	93121312
Material	HPPE, steel, glass, polyester
Coating	palm and fingertips with nitrile foam coating
Sizes	6 to 12
Standard	EN 388 (4 X 4 3 D)

uvex athletic lite ESD



EN 388:2016
4 1 2 1 X



uvex athletic lite ESD	
Art. no.	60035
Item code	92040271
Material	polyamide, elastane, carbon
Coating	palm and fingertips with NBR foam coating
Sizes	6 to 11
Standard	EN 388 (4 1 2 1 X), DIN EN 16350:2014

uvex phynomic airLite C ESD



EN 16350:2014



EN 388:2016
3 X 4 2 C

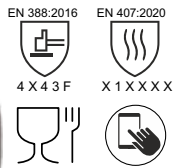


uvex phynomic airLite C ESD	
Art. no.	60084
Item code	92040273
Material	Dyneema® Diamond 2.0, polyamide, elastane, carbon
Coating	palm and fingertips with aqua-polymer coating airLite
Sizes	6 to 12
Standard	EN 388 (3 X 4 2 C), EN 16350

Mechanical Risks

Area of application: cut / heat risks / impact / electrical protection

uvex phynomic F XG



uvex phynomic F XG	
Art. no.	60068
Item code	92040272
Material	polyamide, elastane, HPPE, glass, steel
Coating	aqua-polymer foam coating, Xtra-Grip foam coating
Sizes	6 to 12
Standard	EN 388 (4 X 4 3 F)

uvex unidur sleeve C



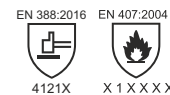
uvex unidur sleeve C	
Art. no.	60973
Item code	93121170
Material	HPPE, glass, polyamide
Coating	without coating
Sizes	M, L
Standard	EN 388 (2X4XC)

uvex unilite thermo FC



uvex unilite thermo FC	
Art. no.	60842
Item code	93121267
Material	acrylic (inner), nylon (outer) palm and whole
Coating	back of hand with natural latex coating
Sizes	7 to 11
Standard	EN 388 (2242C), EN 511 (12X), EN 407 (X2XXXX)

uvex unilite 7710 F



uvex unilite 7710 F	
Art. no.	60278
Item code	93121204
Material	polyester (seamless)
Coating	palm & whole back with nitrile rubber with grip finish
Sizes	7 to 11
Standard	EN 388 (4121X), EN 407 (X1XXXX)

uvex power protect V1000



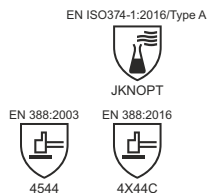
uvex power protect V1000	
Art. no.	60840
Item code	93121206
Material	no lining
Coating	natural latex, 1.6mm
Sizes	7 to 11
Standard	EN 60903 (Class 0/RC)

uvex arc protect g1



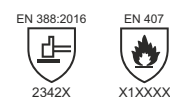
uvex arc protect g1	
Art. no.	60838
Item code	93121208
Material	modacryl, cotton, antistatic
Coating	none
Sizes	7 to 11
Standard	388:2016 (1X21X), 407 (4111XX), 61482-1-2 (Class 1)

uvex protector chemical



uvex protector chemical NK2725B, NK4025B	
Art. no.	60535 60536
Item code	93171011 93171012
Material	sandwich liner: cotton interlock, HPPE, glass, PA
Coating	fully coated with special NBR coating (nitrile rubber)
Sizes	9 to 10
Standard	EN 388 (4X44C), EN ISO374-1:2016/Type A (JKNOPT)

uvex nk



uvex NK 2722, NK 4022	
Art. no.	60213 - 27 cms 60202 - 40 cms
Item code	93121093 93121105
Material	cotton interlock, aramid knit
Coating	fully coated with special NBR coating (nitrile rubber)
Sizes	9 to 10
Standard	EN 388 (2342X), EN 407 (X1XXXX)

Chemical Risks

Area of application: chemical protection

uvex profapren CF33



NEW



uvex profapren CF33	
Art. no.	60119
Item code	93121254
Material	flocked cotton
Coating	polychloroprene (latex inner), approx. 0.71 mm
Sizes	7 to 10
Standard	EN 388, EN ISO 374-1:2016/Type A, EN ISO 374-5:2016

uvex u-chem 3100



NEW



uvex u-chem 3100	
Art. no.	60968
Item code	93121114
Material	cotton (seamless)
Coating	NBR (nitrile butadiene rubber), approx. 0.50 mm
Sizes	8 to 11
Standard	EN 388 (4121X), EN ISO 374-1:2016 / Type A (AJKLMO)

uvex rubiflex ESD



MADE IN GERMANY



uvex rubiflex ESD NB35A	
Art. no.	60954
Item code	93121089
Material	cotton interlock/carbon
Coating	coated with special conductive NBR, approx. 0.40 mm
Sizes	6 to 11
Standard	EN 388 (2111X), EN ISO 374-1:2016 / Type A (JKLOPT), EN 16350, EN 407 (X1XXXX)

uvex rubiflex S (long version)



MADE IN GERMANY



uvex rubiflex S (long version) - NB60SZ, NB80SZ	
Art. no.	89651 60191
Item code	93121276 93121152
Material	cotton interlock, reinforced
Coating	NBR (nitrile rubber), approx. 0.50 mm
Sizes	9 to 11
Standard	EN 388 (2121X), EN 374-1/Type B, EN 407:2020

uvex profabutyl



MADE IN GERMANY



uvex profabutyl B-05R	
Art. no.	60949
Item code	93121238
Material	without stockinette
Coating	seamlessly coated with bromobutyl (approx. 0.50mm)
Sizes	7 to 11
Standard	EN 388 (2 0 1 0 X), EN 374 (A B I K L N O T), EN 16350

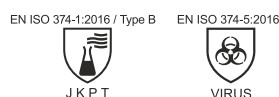
uvex profaviton BV-06



MADE IN GERMANY

uvex profabutyl B-05R	
Art. no.	60957
Item code	93121250
Material	without stockinette
Coating	seamlessly coated with bromobutyl (approx. 0.40mm)
Sizes	8 to 11
Standard	EN 388 (2120A), EN ISO 374-1:2016/Type A (AFKLMM)

uvex u-fit ft



uvex u-fit ft	
Art. no.	60166
Item code	93121216
Material	without stockinette
Coating	NBR (nitrile rubber), approx. 0.10 mm
Sizes	XS to XL
Standard	EN ISO 374-1:2016/Type B (J K P T), EN 374-5:2016

uvex u-fit strong N2000



uvex u-fit strong N2000	
Art. no.	60962
Item code	93121106
Material	no lining
Coating	NBR (nitrile butadiene rubber), approx. 0.20 mm
Sizes	S to XXL
Standard	EN ISO 374-1:2016/Type A (JKLOPST), EN 374-5:2016

Hexamor Range

Area of application: cut and puncture protection safety gloves

uvex helix 3000



- Art. no. 60662**
- 13-gauge HPPE and fiber glass shell
 - Flexible sandy nitrile palm coating
 - Back-of-hand IR-X® Impact Exoskeleton™ high-flex design



uvex helix 3007



- Art. no. 60666**
- IR-X® Impact Exoskeleton™ with high-flex de
 - High-performance polyethylene and glass fiber
 - Reinforced thumb crotch patch
 - Sandy nitrile palm coating



uvex Rig Lizard 2039



- Art. no. 60682**
- Back-of-hand sewn-on IR-X® Impact Exoskeleton™ with high-flex design provides
 - Abrasion resistant PVC dots



uvex helix 2082



- Art. no. 60614**
- 13-gauge flame-resistant aramid and wool blend shell*
 - Flexible FR-compliant neoprene/nitrile blend palm coating



uvex sharpmaster II 9014



- Art. no. 60981**
- SuperFabric® brand material provides industry-leading needlestick resistance (in noted enhanced areas)
 - Wrinkle rubber latex palm coating



uvex chrome 4024



- Art. no. 4024**
- High durability for long-lasting protection
 - Back-of-hand impact guards with high-flex design



uvex helix 3071



- Art. no. 60685**
- 13-gauge HPPE/steel mixed fabric
 - Fully coated with natural latex, this model offers 360° water resistance
 - Coated knitted cuff helps to prevent the ingress of liquids and dirt into the glove.



uvex helix 2062



- Art. no. 60661**
- Coretex™ (13G HPPE, steel, and fiber glass blend) shell for industry-leading 360° cut resistance
 - Flexible sandy nitrile palm coating
 - Hi-vis color on back-of-hand



uvex helix 3062



- Art. no. 60687**
- 18-gauge HPPE and metal fibre mixed fabric
 - ultra-thin foam nitrile coating
 - hi-vis reinforced thumb crotch
 - touchscreen capability



uvex Chemical Expert System (online)

Chemicals database for safety gloves

Sort by Hazardous substance ↔ Safety gloves (permeation lists)

Gloves plan designer

Sort by Activity ↔ Safety gloves (gloves plans)

<https://www.uvex-safety.com/en/glove-expert>

Uni(care)

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